

SECRET

RDS

24 March 1964

MEMORANDUM FOR: Executive Director, NPIC

SUBJECT : Request for Approval for the Obligation of Funds
for Work at [REDACTED]

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1. It is proposed that an obligation be made to add on a separate task to an existing OSA Contract with [REDACTED] Corporation to cover the [REDACTED] part of the work that will be performed jointly by staff members of NPIC, [REDACTED] to determine the relationship between the photo interpreter target identification performance and such factors as ground resolution, image modulation and granularity, atmospheric haze and viewing conditions. The results of the work should aid NPIC and other interested groups in making a practical decision regarding the selection of systems to be used and which viewing devices and viewing techniques to employ.

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2. The primary objective of the work is to specify photo interpreter identification performance as a function of ground resolutions, using photography of real conditions, such as military targets, proper scale, focal length, etc. A secondary objective is to specify photo interpreter identification performance as a function of parameters such as stereo versus non-stereo, atmospheric haze, modulation transfer function -- granularity relation, and other factors which are considered worthy of study and feasible. [REDACTED] will share with [REDACTED] and NPIC the responsibility for the initial planning of each study, the collection of the experimental data and the report preparation.

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3. It is anticipated that this work will ultimately require approximately 18 months for completion; however, this contract will cover only the period from 16 March to 30 June 1964. It is

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proposed that this contract be approved for an estimated expenditure of [REDACTED] in accordance with the attached [REDACTED] Corporation work estimate. The contract will contain a clause providing the Government with an option to renew the contract for a further period under the same terms and conditions during FY-1965.

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[REDACTED]
Assistant for Plans and Development

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APPROVED [REDACTED]

Executive Director, NPIC

1 APR 1964

Date

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Enclosure:

[REDACTED] Work Statement,
dated 17 March 1964

Distribution:

- Orig & 1 - Addressee w/e
- 1 - AS/LOG w/o
- 1 - P&DS w/a
- 1 - P&DS/DB w/a

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NPIC:P&DS/DB [REDACTED]:mbf/3308 (24 March 1964)

March 17, 1964
MW-N-8

STATOTHR

[REDACTED]

We are pleased to submit our proposal for the effort described in the attachment entitled "Statement of Work - March 16 thru June 30, 1964" together with a cost estimate. We would assume this work would be carried on under a similar arrangement to that under which [REDACTED] work for STATOTHR [REDACTED] was performed and would recommend that method of contracting as the contractual mechanism, rates, etc., already exist for such an arrangement.

Please contact me if you require additional information.

Regards,

[REDACTED]

STATOTHR

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Attachments

Statement of Work March 16 to June 30, 1964

The primary objective of the work is to specify P.I. identification performance as a function of ground resolutions, using photography of real conditions such as military targets, proper scale, focal length, etc. A secondary objective is to specify P.I. identification performance as a function of parameters such as stereo vs. non stereo, atmospheric haze, modulation transfer function-granularity relation, and other factors which are considered worthy of study and feasible.

During the period 16 March to June 30, 1964, we plan to actively pursue the following tasks, in chronological order:

1. Obtain ordered list of targets (scene-objects). STATOTHR
2. Obtain listing of availability of desired targets in the [REDACTED]
3. Formulate in detail the experimental design required to achieve the project objectives.
4. Request photography of certain targets under specified conditions, and monitor this effort.
5. Begin preparation of GEMS.
6. Begin preparation of performance measures.
7. Submit a detailed statement of work, cost estimate and schedule for work to be performed during 1 July 1964 to 30 June 1965.
8. Data from the study recently concluded by NPIC, [REDACTED] will be subjected to an error analysis. A report will be prepared describing the results. STATINTL

The study will be a joint effort among NPIC, [REDACTED] will assume responsibility for direction and execution of the work with guidance from NPIC in establishment of objectives. STATINTL

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